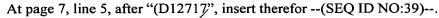
Serial No.: 09/116,502 Docket No.: CL-1035



At page 8, line 2, after "(D12717", insert therefor -- (SEQ ID NO:39)--.

At page 17, line 34, after "(D12717", insert therefor -- (SEQ ID NO:39)--.

At page 7, line 6, after "(D12718", insert therefor -- (SEQ ID NO:40)--.

At page 8, line 2, after "(D12718", insert therefor -- (SEQ ID NO:40)--.

At page 17, line 34, after "(D12718", insert therefor -- (SEQ ID NO:40)--.

At page 7, line 6, after "Alk7 (D12719", insert therefor -- (SEQ ID NO:41)--.

At page 8, line 3, after "Alk7 (D12719", insert therefor -- (SEQ ID NO:41)--.

At page 17, line 34, after "Alk7 (D12/19", insert therefor -- (SEQ ID NO:41)--.

At page 7, line 6, after "Alk8 (D12719", insert therefor -- (SEQ ID NO:42)--.

At page 8, line 3, after "Alk8 (D12719", insert therefor -- (SEQ ID NO:42)--.

At page 17, line 35, after "Alk8 (D12719", insert therefor --(SEQ ID NO:42)--.

At page 17, line 22, after "D25327", insert therefor -- (SEQ ID NO:43)--.

## IN THE CLAIMS:

Please cancel Claim 24 without prejudice in favor of Claim 25.

Please amend the claims as follows:

- (Amended One Time) A method for the bioproduction of C<sub>6</sub> to C<sub>22</sub> monoand di-carboxylic acids comprising
- a) contacting, under aerobic conditions, [a] the transformed *Pichia pastoris* of Claim 3 characterized by a genetically-engineered alkane hydroxylating activity with at least one  $C_6$  to  $C_{22}$  straight chain hydroxarbon; and
  - b) recovering the C<sub>6</sub> to C<sub>22</sub> mono- and di-carboxylic acids.
  - 3. (Amended One Time) A transformed *Pichia pastoris* comprising
- a) at least one copy of a foreign gene encoding cytochrome P450 monooxygenase; and, optionally,
- b) at least one copy of a foreign gene encoding cytochrome P450 reductase, each gene operably linked to [suitable regulatory elements] <u>Pichia pastoris</u> Aox1 promoter such that alkane hydroxylating activity is enhanced upon contact with at least one  $C_6$  to  $C_{22}$  straight chain hydrocarbon.
- 4. (Amended One Time) The transformed *Pichia pastoris* of Claim 3 wherein the foreign gene encoding cytochrome P450 monooxygenase is selected from the group consisting of Alk1-A (D12475 (SEQ ID NO:35)), Alk2-A (X55881 (SEQ ID NO:36)), Alk3-A (X55881 (SEQ ID NO:37)), Alk4-A (D12716 (SEQ ID NO:38)), Alk5-A (D12717 (SEQ ID NO:39)), Alk6-A (D12718 (SEQ ID NO:40)), Alk7 (D12719 (SEQ ID NO:41)), and Alk8 (D12719 (SEQ ID NO:42)).

